

ABSTRACT

[Problem] To provide a compact device for generating an electrical signal corresponding to a change in position or posture, which can be used in such as posture control of a ship, a motor vehicle, aircraft, or the like, and detection of action or posture of various parts of a human body.

[Means for Resolution] A device for generating an electrical signal corresponding to a change in posture includes: a container which is formed of an electrical insulating material and is fixed to an electrode holder formed of an electrical insulating material and in which a fluid dielectric is sealed with a volume ratio sufficient to have an angle of inclination with respect to a free surface of the fluid dielectric; a plurality of pairs of peripheral electrodes disposed at positions which are symmetrical about a central point of a cross section of the container at a predetermined interval with an inner peripheral surface of the container; and a pair of counter electrodes which are electrically insulated from each other and are respectively disposed at an upper surface of the electrode holder which serves as a bottom of the container and at a lower surface of a ceiling of the container at the central point of the cross section of the container, a voltage being applied to the pair of counter electrodes.